Method of machining ceramic rotor for pressure wave type supercharger.

A method of machining a ceramic rotor (1) for a pressure wave type supercharger comprises the steps of pressing one end surface (1b) of the ceramic rotor against an inner bottom surface of a hydraulic chuck (11), hydraulically gripping the ceramic rotor at its outer circumference by means of a clamping device (13), and then machining the other end surface (1c) and an inner diameter portion of the rotor. Before mounting the ceramic rotor in the hydraulic chuck, a metal cylinder (1b) is fitted coaxially on the ceramic rotor so that end surfaces and inner circumference of the rotor can be machined with high dimensional accuracy.
### Documents Considered to Be Relevant

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of Document with indication, where appropriate, of relevant passages</th>
<th>Relevant to Claim</th>
<th>Classification of the Application (Int. Cl.4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>FR-A-1 266 921 (THIELENHAUS) * The whole document *</td>
<td>1</td>
<td>B 23 P 13/02</td>
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<td>A</td>
<td>DE-A-3 108 249 (SCHUNK) * Figure 2 *</td>
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**Technical Fields Searched (Int. Cl.4):**
- B 23 P
- B 24 B
- B 23 B

The present search report has been drawn up for all claims.

**Place of search:** THE HAGUE

**Date of completion of the search:** 21-03-1990

**Examiner:** RIS M.